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Advancing Frontiers in Mycology
& Mycotechnology Springer

Multimedia stands as one of the most challenging and exciting aspects of the information era. Although there are books available that deal with various facets of multimedia, the field has urgently needed a comprehensive look at recent developments in the systems, processing, and applications of image and video data in a multimedia environment.

MAHAD: The Making of the First Dalit Revolt Royal Society of Chemistry
This book comprises select proceedings of the international conference ETAEERE 2020, and focuses on contemporary issues in energy management

and energy efficiency in the context of power systems. The contents cover modeling, simulation and optimization based studies on topics like medium voltage BTB system, cost optimization of a ring frame unit in textile industry, rectenna for RF energy harvesting, ecology and energy dimension in infrastructural designs, study of AGC in two area hydro

thermal power system, energy-efficient and reliable depth-based routing protocol for underwater wireless sensor network, and power line communication. This book can be beneficial for students, researchers as well as industry professionals. Polyvinylpyrrolidone Excipients for Pharmaceuticals APH Publishing The book describes the properties, analytical

methods and the applications of different polyvinylpyrrolidone excipients (povidone, crospovidone, copovidone etc.) for use in pharmaceutical preparations. This group of excipients is one of the most important excipients used in modern technology to produce drugs. The book is intended for all persons working in the research, development and quality control of drugs. It

gives a survey of all applications in solid, liquid and semisolid dosage forms including many drug formulation examples and more than 600 references to the literature.

Indian Science Abstracts
Springer

Depth recovery is important in machine vision applications when a 3-dimensional structure must be derived from 2-dimensional images. This is an active area of research with applications ranging from industrial robotics to military imaging. This book provides

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the comprehensive details of the methodology, along with the complete mathematics and algorithms involved. Many new models, both deterministic and statistical, are introduced.

Embryo Transfer in Animals

Allied Publishers

The requirements for multimedia (especially video and audio) communications increase rapidly in the last two decades in broad areas such as television, entertainment, interactive services, telecommunications, conference, medicine, security, business, traffic,

defense and banking. Video and audio coding standards play most important roles in multimedia communications. In order to meet these requirements, series of video and audio coding standards have been developed such as MPEG-2, MPEG-4, MPEG-21 for audio and video by ISO/IEC, H.26x for video and G.72x for audio by ITU-T, Video Coder 1 (VC-1) for video by the Society of Motion Picture and Television Engineers (SMPTE) and RealVideo (RV) 9 for video by Real Networks. AVS China is the

abbreviation for Audio Video Coding Standard of China. This new standard includes four main technical areas, which are systems, video, audio and digital copyright management (DRM), and some supporting documents such as consistency verification. The second part of the standard known as AVS1-P2 (Video - Jizhun) was approved as the national standard of China in 2006, and several final drafts of the standard have been completed, including AVS1-P1 (System - Broadcast), AVS1-P2 (Video - Zengqiang), AVS1-P3 (Audio - Double track), AVS1-P3 (Audio - 5.1), AVS1-P7 (Mobile Video), AVS-S-P2 (Video) and AVS-S-P3 (Audio). AVS China provides a technical solution for many applications such as digital broadcasting (SDTV and HDTV), high-density storage media, Internet streaming media, and will be used in the domestic IPTV, satellite and possibly the cable TV market. Comparing with other coding standards such as H.264 AVC, the advantages of AVS video standard include similar performance, lower complexity, lower implementation cost and licensing fees. This standard has attracted great deal of attention from industries related to television, multimedia communications and even chip manufacturing from around the world. Also many well known companies have joined the AVS Group to be Full Members or Observing Members. The 163 members of AVS Group include Texas Instruments (TI) Co., Agilent Technologies Co. Ltd.,

Envivio Inc., NDS, Philips Research East Asia, Aisino Corporation, LG, Alcatel Shanghai Bell Co. Ltd., Nokia (China) Investment (NCIC) Co. Ltd., Sony (China) Ltd., and Toshiba (China) Co. Ltd. as well as some high level universities in China. Thus there is a pressing need from the instructors, students, and engineers for a book dealing with the topic of AVS China and its performance comparisons with similar standards such as H.264, VC-1 and RV-9.

Comprehensive

Coordination Chemistry II

Routledge

This volume contains 29 engrossing chapters contributed by worldwide, leading research groups in the field of chemical biology. Topics include pre-biology; the establishment of the genetic code; isomerization of RNA; damage of nucleobases in RNA; the dynamic structure of nucleic acids and their analogs in DNA replication, extra- and intra-cellular transport; molecular crowding by the use of ionic liquids; new technologies enabling the

modification of gene expression via editing of therapeutic genes; the use of riboswitches; the modification of mRNA cap regions; new approaches to detect appropriately modified RNAs with EPR spectroscopy and the use of parallel and high-throughput techniques for the analysis of the structure and new functions of nucleic acids. This volume discusses how chemistry can add new frontiers to the field of nucleic acids in molecular medicine, biotechnology and nanotechnology and is not

only an invaluable source of information to chemists, biochemists and life scientists but will also stimulate future research.

Clay Mineral Catalysis of Organic Reactions

Atlantic Publishers & Dist

First published in 1986.

Taken from the Tin and Cell Malignancy

Symposium, this volume

will help others to

appreciate the

interdisciplinary nature of this field.

Advances in Power

Systems and Energy

Management Springer

Science & Business

This book explores the

developments in important

aspects of fungi related to

the environment, industrial

mycology, microbiology,

biotechnology, and

agriculture. It discusses at

length both basic and

applied aspects of fungi

and provides up-to-date

laboratory-based data. Of

the estimated three million

species of fungi on Earth,

according to Hawksworth

and coworkers, more than

100,000 have been

described to date. Many

fungi produce toxins,

organic acids, antibiotics

and other secondary

metabolites, and are

sources of useful

biocatalysts such as

cellulases, xylanases,

proteases and pectinases,

to mention a few. They

can also cause diseases

in animals as well as

plants and many are able

to break down complex

organic molecules such as

lignin and pollutants like

xenobiotics, petroleum

and polycyclic aromatic

compounds. Current research on mushrooms focuses on their hypoglycemic, anti-cancer, anti-pathogenic and immunity-enhancing activities. This ready-reference resource on various aspects of fungi is intended for graduate and post-graduate students as well as researchers in life sciences, microbiology, botany, environmental sciences and biotechnology.

Cumulated Index Medicus
Springer Nature

MAHAD has an iconic place in Dalit universe. Associated with legendary personality of Dr Ambedkar, the struggle of Dalits at Mahad for asserting their rights to access the public tank, the Chavadar tank, arguably ranks among the first civil rights struggles in history. Unfortunately, it remained largely confined to folklore; its detailed account still remaining fragmented and in mostly Marathi. This book provides a comprehensive account, using many sources including the archival materials, of the two

conferences in Mahad in 1927 that marks the beginning of the Dalit movement under Babasaheb Ambedkar to a wider readership in English. It tries to frame it within its historical context which will help people comprehend its historical significance. It also seeks to draw certain lessons for the future course of the Dalit movement. The book additionally contains the original account of Comrade R. B. MORE, the organizer of the first conference at Mahad.
Bombay University

Calendar Elsevier

Gender issues are central to the causes and impact of the ongoing AIDS epidemic. The editors bring together cutting edge contemporary scholarship on gender and AIDS in one volume. They address questions related to gender and sexuality, how women and men live the epidemic differently and how such differences lead to different outcomes. The volume joins research on Africa, Asia and Latin America and illustrates how the epidemic has different gendered characteristics,

causes and consequences in different regions. Collectively, the chapters demonstrate the fundamental ways that gender influences the spread of the disease, its impact and the success of prevention efforts. This scholarly, interdisciplinary volume provides a comprehensive introduction to the themes and issues of gender, AIDS and global public health and informs students, policy makers and practitioners of the complexity of the gendered nature of AIDS.

Depth From Defocus: A Real Aperture Imaging Approach

Oxford University Press

The book provides insight into the working of clays and clay minerals in speeding up a variety of organic reactions. Clay minerals are known to have a large propensity for taking up organic molecules and can catalyse numerous organic reactions due to fine particle size, extensive surface area, layer structure, and peculiar charge characteristics. They can be used as heterogeneous catalysts and catalyst carriers of organic reactions because they are non-corrosive, easy to separate from the reaction

mixture, and reusable. Clays and clay minerals have an advantage over other solid acids as they are abundant, inexpensive, and non-polluting. *Recent HIV Seroprevalence Levels by Country* CRC Press

Established in 1960, *Advances in Heterocyclic Chemistry* is the definitive serial in the area—one of great importance to organic chemists, polymer chemists and many biological scientists. Written by established authorities in the field, the comprehensive reviews combine descriptive chemistry and mechanistic

insight and yield an understanding of how the chemistry drives the properties. Established in 1960, *Advances in Heterocyclic Chemistry* is the definitive serial in the area—one of great importance to organic chemists, polymer chemists and many biological scientists. Written by established authorities in the field, the comprehensive reviews combine descriptive chemistry and mechanistic insight and yield an understanding of how the chemistry drives the

properties.

Embryo Transfer in Animals, 1982-86

Springer

Studies in Natural Products Chemistry, Volume 71 covers the synthesis, testing and recording of the medicinal properties of natural products, providing cutting-edge accounts of the fascinating developments in the isolation, structure elucidation, synthesis, biosynthesis and pharmacology of a diverse array of bioactive natural

products. With the rapid developments in spectroscopic techniques and accompanying advances in high-throughput screening techniques, it has become possible to isolate and then determine the structures and biological activity of natural products rapidly, thus opening up exciting opportunities in the field of new drug development to the pharmaceutical industry. Natural products in the plant and animal kingdom

offer a huge diversity of chemical structures that are the result of biosynthetic processes that have been modulated over the millennia through genetic effects, hence users will find the detailed information in this book to be a great resource on the topics covered. Focuses on the chemistry of bioactive natural products Contains contributions by leading authorities in the field Presents sources of new pharmacophores *Studies in Natural Products*

Chemistry Springer Science & Business Media Spectroscopic Properties of Inorganic and Organometallic Compounds provides a unique source of information on an important area of chemistry. Divided into sections mainly according to the particular spectroscopic technique used, coverage in each volume includes: NMR (with reference to stereochemistry, dynamic systems, paramagnetic complexes, solid state NMR and Groups 13-18); nuclear quadrupole resonance

spectroscopy; vibrational spectroscopy of main group and transition element compounds and coordinated ligands; and electron diffraction. Reflecting the growing volume of published work in this field, researchers will find this Specialist Periodical Report an invaluable source of information on current methods and applications. Specialist Periodical Reports provide systematic and detailed review coverage in major areas of chemical research. Compiled by teams of leading experts in

their specialist fields, this series is designed to help the chemistry community keep current with the latest developments in their field. Each volume in the series is published either annually or biennially and is a superb reference point for researchers.

www.rsc.org/spr
Video coding standards
Newnes

The roles of microbes in agriculture, industry and environment have been the point of interest since long time for their potential exploitation. Although only a fraction of microbial diversity

was accessed by microbiologists earlier for harnessing them owing to limited techniques available. The molecular techniques have opened new vistas to access the wide field of the unexplored microbes and their exploitation for useful genes and novel metabolites. Sincere efforts have been made in biotechnology using microbes leading to improve our life with respect to agriculture and people health. This comprehensive volume covers different aspects of microbial biotechnology and its management in sustainable agriculture for food security and improved human health.

The book comprises four sections: Endophytes and Mycorrhizae, Microbial Diversity and Plant Protection, Microbial Functions and Biotechnology, and Microbes and the Environment, which contain 53 chapters. The book examines the aspects on endophytes and mycorrhizae, bioactive compounds, growth promoting microorganisms, disease management with emphasis on biocontrol, genetics of disease resistance, microbial enzymes, advances in potential of microbes and their industrial as well as pharmaceutical applications. In addition, the use of botanicals, and the etiology and

management of medicinal and aromatic plants in the post harvest management have been reviewed in greater depth for the benefit of teaching and research community. The biotechnological developments using microbe potential have enabled us combat the environment and human health problems worldwide in ecofriendly manner. We are sure that this volume will be highly useful to all those concerned with fungi, bacteria, viruses and their biology, including environmental and public health officers and professionals in the field of interest. The volume is an exhaustive coverage of almost

all the aspects of microbial biology and biotechnology. Progress in Mycology Springer Nature Specialist Periodical Reports provide systematic and detailed review coverage of progress in the major areas of chemical research. Written by experts in their specialist fields the series creates a unique service for the active research chemist, supplying regular critical in-depth accounts of progress in particular areas of chemistry. For over 80 years the Royal Society of

Chemistry and its predecessor, the Chemical Society, have been publishing reports charting developments in chemistry, which originally took the form of Annual Reports. However, by 1967 the whole spectrum of chemistry could no longer be contained within one volume and the series Specialist Periodical Reports was born. The Annual Reports themselves still existed but were divided into two, and subsequently three, volumes covering Inorganic, Organic and Physical Chemistry. For

more general coverage of the highlights in chemistry they remain a 'must'. Since that time the SPR series has altered according to the fluctuating degree of activity in various fields of chemistry. Some titles have remained unchanged, while others have altered their emphasis along with their titles; some have been combined under a new name whereas others have had to be discontinued. The current list of Specialist Periodical Reports can be seen on the inside flap of this volume. Fungal Biopolymers and

Biocomposites Springer Nature This book on *Candida albicans* and similar pathogens provides a timely overview of the groundbreaking discoveries made in the areas of drug resistance, host–pathogen interactions, virulence, host immune system modulation, etc., in the last two decades. This comprehensive 2nd Edition includes chapters on fungal infections, hyphal morphogenesis, molecular mechanisms of antifungal resistance, antifungal agents, multidrug transporters, virulence mechanisms in *Candida albicans*, host–pathogen interactions,

the cell wall, fungal biofilms, lipids and antifungal resistance, signaling mechanisms and last but not the least host-immune responses. As such, it offers an ideal reference guide for mycologists, researchers, pharmacists, clinicians, and undergraduate students engaged or interested in fungal research. It will also benefit clinicians, who are required to keep abreast of the current state of research on antifungal drug resistance and antifungal development.

The Mysore Civil List CRC Press

This volume draws on insights from a range of

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theoretical perspectives to explore objects, agreement, and their intersecting angles, based on novel data from multiple language families. The chapters explores the mechanics of object agreement, constraints on symmetry, features of object agreement, and issues relating to the left periphery.

The Bombay university calendar Springer Nature
The Most Authentic Source Of Information On Higher Education In India
The Handbook Of Universities, Deemed Universities, Colleges,

Private Universities And Prominent Educational & Research Institutions Provides Much Needed Information On Degree And Diploma Awarding Universities And Institutions Of National Importance That Impart General, Technical And Professional Education In India. Although Another Directory Of Similar Nature Is Available In The Market, The Distinct Feature Of The Present Handbook, That Makes It One Of Its Kind, Is That It

Also Includes Entries And Details Of The Private Universities Functioning Across The Country. In This Handbook, The Universities Have Been Listed In An Alphabetical Order. This Facilitates Easy Location Of Their Names. In Addition To The Brief History Of These Universities, The Present Handbook Provides The Names Of Their Vice-Chancellor, Professors And Readers As Well As Their Faculties And Departments. It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University. It Is Hoped That The Handbook In Its Present Form, Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement. In Addition, It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials. Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable.

Developments in Fungal Biology and Applied Mycology Royal Society of Chemistry
A series of critical reviews and perspectives focusing on how specific aspects of organometallic chemistry interface with other fields of study.